

WEST

Help

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Main Menu

Search Form

Posting Counts

Show S Numbers

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Attachment
to paper
10
7044

Search Results -

Term	Documents
CANDIDA.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	13667
CANDIDAS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	26
ALBICANS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	7073
ALBICAN.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	31
HYBRID.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	100407
HYBRIDS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	13234
KINASE.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	20897
KINASES.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	4173
((CANDIDA ADJ ALBICANS) AND (HYBRID ADJ KINASE)),USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	2

☐ US Patents Full-Text Database
☐ US Pre-Grant Publication Full-Text Database
☐ JPO Abstracts Database
☐ EPO Abstracts Database
☐ Derwent World Patents Index
☐ IBM Technical Disclosure Bulletins

Database:

candida albicans and hybrid kinase

Refine Search:

Clear

Search History**Today's Date: 3/29/2001**

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	candida albicans and hybrid kinase	2	L4
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	candida albicans and histidine kinase	8	L3
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	candida albicans and phenotypic switch\$	2	L2
USPT,PGPB,JPAB,EPAB,DWPI,TDBD	canik1	2	L1

^a χ^2 = 1.03, df = 1, p = .31.
^b χ^2 = 1.03, df = 1, p = .31.
^c χ^2 = 1.03, df = 1, p = .31.
^d χ^2 = 1.03, df = 1, p = .31.
^e χ^2 = 1.03, df = 1, p = .31.
^f χ^2 = 1.03, df = 1, p = .31.
^g χ^2 = 1.03, df = 1, p = .31.
^h χ^2 = 1.03, df = 1, p = .31.
ⁱ χ^2 = 1.03, df = 1, p = .31.
^j χ^2 = 1.03, df = 1, p = .31.
^k χ^2 = 1.03, df = 1, p = .31.
^l χ^2 = 1.03, df = 1, p = .31.
^m χ^2 = 1.03, df = 1, p = .31.
ⁿ χ^2 = 1.03, df = 1, p = .31.
^o χ^2 = 1.03, df = 1, p = .31.
^p χ^2 = 1.03, df = 1, p = .31.
^q χ^2 = 1.03, df = 1, p = .31.
^r χ^2 = 1.03, df = 1, p = .31.
^s χ^2 = 1.03, df = 1, p = .31.
^t χ^2 = 1.03, df = 1, p = .31.
^u χ^2 = 1.03, df = 1, p = .31.
^v χ^2 = 1.03, df = 1, p = .31.
^w χ^2 = 1.03, df = 1, p = .31.
^x χ^2 = 1.03, df = 1, p = .31.
^y χ^2 = 1.03, df = 1, p = .31.
^z χ^2 = 1.03, df = 1, p = .31.

SYSTEM:3 - DIAL:3 new-term

File 434: SriSearch (S) Dated Ref Sri 1974-19-9/De
(S) 199- Inst for Sri Inf

*File 434: Please note new price manual. Attention: Dated, 1, 1974.
See Help Rates434 for details.

File 5: Biosis Previews (S) 1968-1 11/Mar W4
(S) 1991 BIOSIS

File 101: MEDLINE (R) 1968-1 11/Mar W4
(S) format only (S) Dial: 1 Corporation

*File 101: Further to NLM notification, Medline updates is expected
to resume in March 1974. For other NLM information, see Help Newsline.

File 11: SIZENITH (S) 1974-1 11/Mar W4
(S) 1991 SIZENITH (S) 1974-1 11/Mar W4

*File 11: UDS have been adjusted to reflect the current month data.
UD 11/11/74 was the last UD for the year 1974.

Set Items Description

Pe au=srikantha thyanarajan

Ref	Items	Index-term
E1	61	AU=SRIKANTHA T
E1	14	AU=SRIKANTHA T.
E1	1	AU=SRIKANTHA T.
E4	1	AU=SRIKANTHA THYANARAJAN
E5	3	AU=SRIKANTHA V
E6	1	AU=SRIKANTHAN ANTON R 1
E7	1	AU=SRIKANTHAN 2
E8	3	AU=SRIKANTHAN F
E9	31	AU=SRIKANTHAN R
E10	1	AU=SRIKANTHAN R.
E11	1	AU=SRIKANTHAN T
E12	1	AU=SRIKANTHAN V

Enter: 11 1974-1 11/Mar W4

Is el:el:el
>>Both terms in the range must be of the same type
Is el:el:el
>>Invalid term: E
Is el:el:el

S1 TS AU="SRIKANTHA T":AU="SRIKANTHA T."

Tri

...examined 50 records (50)
...completed examining records
S1 4 RT unique items

Is el:el

>>Both terms in the range must be of the same type
Is el:el

S1 11 AU="SRIKANTHA THYANARAJAN"

Tri

...completed examining records
S4 11 RT unique items

Is s4 and s1

11 S4
4 S1
S1 11 S4 AND S1

Is s4 and s1

S1 14 S4 AND S1

Tri

...completed examining records
S1 14 RT unique items
Is el:el

Is el:el Is el:el Is el:el

DIAL:3 & File 5: Biosis Previews (S)
(S) 1991 BIOSIS. All rev. records.

11 4447 BIOSIS N 11 1974-1 11/Mar W4

File 11: SIZENITH (S) 1974-1 11/Mar W4. SIZENITH was the last UD for the year 1974.

DOCUMENT TYPE: Article
REPORT TYPE: Abstract
LANGUAGE: English

ABSTRACT: Using degenerate primers of highly conserved regions of two-ring histidine kinase response regulators for PCR amplification, a two-component response regulator was cloned from *Candida albicans* that is involved in virulence and hyphal development. This two-component histidine kinase, *CaHKL1*, also shows features of a bacterial two-component response regulator, including a conserved ATP-binding domain, a conserved histidine kinase domain, and a conserved response regulator domain. The level of transcript was modulated: levels were higher in yeast cells and in hyphae. Partial deletion of both *CaHKL1* alleles, by which the histidine autokinase- and ATP-binding domains were removed, did not inhibit either high-frequency phenotypic switching or the bud-hypha transition in high salt concentrations, but in a low salt the efficiency of the developmental process was reduced.

RESISTANCE NUMBERS: 0101-44-1: KINASE; 01-11-10: HISTIDINE; 478-47-84: HISTIDINE; 00-41-40-1: HISTIDINE KINASE

KEYWORDS:

MAJOR CATEGORIES: Microbiology, Immunology, and Infectious Diseases; Molecular Genetics, Biochemistry, and Molecular Physiology; Botany

BIOSYSTEMATIC NAMES: Ascomycetes--Fungi, Plantae; Fungi Imperfecti--Deuteromycetes--Fungi, Plantae

ORGANISMS: *Candida albicans* (Fungi Imperfecti--Deuteromycetes--bud growth form, strain-DRI, strain-WO-1, commercial, opportunistic pathogen); *Neurospora crassa* (Ascomycetes)

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Fungi; Microorganisms; Nonvascular Plants; Plants

CHEMICALS & BIOCHEMICALS: bacterial two-ring histidine kinase; histidine kinase; histidine kinase; two-component histidine kinase; regulator *CaHKL1*--ATP-binding domain, kinase, histidine kinase-binding domain, yeast bud-hypha transition, white spot type, rose 1-1

MOLECULAR SEQUENCE DATABASE NUMBER: AF101111--Genbank, and Genbank

METHODS & EQUIPMENT: PCR (polymerase chain reaction)--amplification

MISCELLANEOUS TERMS: bud-hypha transition; phenotypic switching--inhibition

CONCEPT CODES:

03504 Genetics and Cytogenetics-Plant

51519 Plant Physiology, Biochemistry and Biophysics-Plants

BIOSYSTEMATIC CODES:

101 Ascomycetes

102 Fungi Imperfecti--Deuteromycetes

7/9/93 (item's own file: 0)

DIALOG(R)File: 8:BIOSIS Previews(R)

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11543199 BIOSIS NO.: 1999-1314511

CaHKL1, a two-component histidine kinase that is involved in hyphal development in the opportunistic pathogen *Candida albicans*.

AUTHOR: Alex Lisa A; Birch, Christopher; Gelleraud, Claude; Simon

Malvin, Lisa

WITH ADDRESS: 1. *Candida albicans* WO-1, an opportunistic pathogen, and 2. *Neurospora crassa* (Ascomycetes)

JOURNAL: Proceedings of the National Academy of Sciences, United States of America, Vol. 96, No. 13, June 1, 1999

ISSN: 0895-9456

DOCUMENT TYPE: Article

REPORT TYPE: Abstract

LANGUAGE: English

ABSTRACT: Two-component histidine kinase was purified from *Candida albicans* and *Neurospora crassa* and shown to be involved in hyphal development and virulence. The level of transcript was modulated: levels were higher in yeast cells and in hyphae. Partial deletion of both *CaHKL1* alleles, by which the histidine autokinase- and ATP-binding domains were removed, did not inhibit either high-frequency phenotypic switching or the bud-hypha transition in high salt concentrations, but in a low salt the efficiency of the developmental process was reduced.

growth retardation at high similarity. Southern blotting with a *C. albicans* SLN1 revealed the presence of related genes, one of which is highly homologous to the NIK1 gene of *Neurospora crassa*. Thus, *C. albicans* harbours both SLN1- and NIK1-type histidine kinases.

REGISTRY NUMBERS: P01-0-67-7: HISTIDINE KINASE

DESCRIPTIONS:

MAJOR SUBJECTS: Biochem. by Biochemistry and Molecular Biology ;
Molecular Genetics (Biochemistry and Molecular Biology) ; MYCOTIC
BIOSYSTEMATIC NAMES: Fungi Imperfecti ; Deuteromycetes ;
ORGANISMS: *Candida albicans* ; Fungi Imperfecti or Deuteromycetes
BIOSYSTEMATIC CLASSIFICATION (SWISS TAXA) : Fungi; Microsporidia;
Nonvascular Plants; Plants

CHEMICALS & BIOCHEMICALS: histidine kinase

MOLECULAR SEQUENCE DATABASE NUMBER: AB016361--DDEJ, EMPL, amino acid
sequence, nucleotide sequence, GenBank; AB 016361--DDEJ, EMPL, amino
acid sequence, nucleotide sequence, GenBank

MISCELLANEOUS TERMS: molecular cloning; sensor; *CANIK1* gene;
CaSLN1 gene

IDENTIFIERS:

1014 Biochemistry and Molecular Biology
1016 Biochemistry and Molecular Biology, Microbiology
10164 Biochemical Studies-Proteins, Peptides and Amino Acids
10506 Biophysics-Molecular Properties and Macromolecules
10806 Enzymes-Chemical and Physical
51518 Plant Physiology, Biochemistry and Biophysics-Enzymes

BIOSYSTEMATIC CODES:

15500 Fungi Imperfecti or Deuteromycetes

7/9/96 (Item 1 from file: 155)

DIALOG(R)File 155:MF01:LINE(8)

(*) format only with Dialog Corp. system. All pro. records.

11015632 18042344

Roles of three histidine kinase genes in hyphal development and virulence
of the pathogenic fungus *Candida albicans*.

Yamada-Okabe T; Mio T; Ono N; Kashima Y; Matsui M; Arisawa M;
Yamada-Okabe H

Department of Hygiene, School of Medicine, Yokohama City University, 3-9,
Fukuura, Kanazawa, Yokohama 136-0044, Japan.

Journal of Bacteriology (UNITED STATES) Dec 1998, 181(12):3744-51,
ISSN 0021-9195, Journal type: JRS

Language: ENGLISH

Document type: JOURNAL ARTICLE

JOURNAL ABSTRACTING: JRS

Subfile: INDEX MEDICUS

The pathogenic fungus *Candida albicans* harbors three histidine kinase
genes called CaSLN1, *CaNIK1*, and CaHKL. The disruption of any one of
these three genes impaired the hyphal formation and attenuated the
virulence of *C. albicans* in a mouse systemic candidiasis model. The effects
of the disruption on hyphal formation and virulence were most severe in the
cahklDelta null mutants. Although the double disruption of CaSLN1 and
CaNIK1 was impossible, further deletion of CaSLN1 or *CaNIK1* in the
cahklDelta null mutants partially restored the serum-induced hypha-forming
ability and virulence. When incubated with radiolabelled ATP, the
recombinant CaSLN1 and *CaNIK1* proteins, which contained their own kinase
and response regulator domains, were autophosphorylated, whereas CaHKL was
not. These results imply that in *C. albicans*, CaSLN1 and *CaNIK1* are located
upstream of CaHKL but are in distinct signal transmission pathways.

Taxa: Animal; Male; Serotype; Non-USA; JRS

Descriptors: *Candida albicans*--biology--JRS; *Candida albicans*--
--Pathogenicity--JRS; Protein Kinases--Physiology--JRS; Amino acid analysis;
Blotting, Western; *Candida albicans*--Cytology--JRS; Fungal Proteins
--Genetics--JRS; Mice; Microsporidia; Protein Kinases--Genetics--JRS; Signal
Transduction; Time Factors

CAS Registry No.: Fungal proteins; SLN1 protein

Enzyme No.: EC 2.7.1.1- NIK1 gene; *C. albicans*; *C. albicans* histidine
kinase; *C. albicans* histidine kinase

C. albicans histidine kinase

155: 155: *CANDIDA ALBICANS*

1. The first step in the process is to identify the problem. This involves gathering information about the situation and understanding the needs of the stakeholders involved.

[illegible][illegible]

CLASSIFICATION CODE AND DESCRIPTION:
 86.76 - APPLIED MICROBIOLOGY AND BIOTECHNOLOGY
 PHYSIOLOGY, Nitrogen Transport and Metabolism

Table 1. *Salmonella* serotypes and phage types isolated from the 1990-1991 and 1991-1992 seasons in the United States. The number of isolates for each serotype and phage type is given in parentheses. The number of isolates for each serotype and phage type is given in parentheses.

Season	Serotype	Phage Type	Number of Isolates
1990-1991	Senftenberg	1	1
	Senftenberg	2	1
	Senftenberg	3	1
	Senftenberg	4	1
	Senftenberg	5	1
	Senftenberg	6	1
	Senftenberg	7	1
	Senftenberg	8	1
	Senftenberg	9	1
	Senftenberg	10	1
1991-1992	Senftenberg	1	1
	Senftenberg	2	1
	Senftenberg	3	1
	Senftenberg	4	1
	Senftenberg	5	1
	Senftenberg	6	1
	Senftenberg	7	1
	Senftenberg	8	1
	Senftenberg	9	1
	Senftenberg	10	1

[illegible]

08.00 4 Type-A in Format 10
 08.01 4 Type-A
 08.02 Estimated: 1000 Files
 08.03 1000 DialUnits Files
 08.04 1 Type-A in Format 10
 08.05 1 Type-A
 08.06 Estimated: 1000 Files
 08.07 1000 DialUnits Files
 08.08 1 Type-A in Format 10
 08.09 1 Type-A
 08.10 Estimated: 1000 Files
 08.11 OneSearch, 4 files, 1000 DialUnits Files
 08.12 TRIMMER
 08.13 Estimated: 1000 Files
 08.14 Estimated: 1000 Files
 08.15 Estimated: 1000 Files

*** End of Report ***